

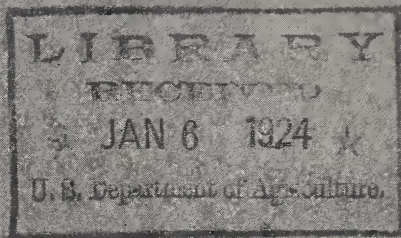
## **Historic, Archive Document**

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# BULBS for Autumn Planting



6247

1922

D. N. Shoemaker

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ST. LOUIS  
SEED CO.  
ST. LOUIS,  
MO.



## SELECTED FIRST-SIZE HYACINTHS

The varieties enumerated below have been selected for their distinct coloring and free flowering qualities, and are Selected First-size Bulbs, especially suited for growing in pots or glasses or for high-grade bedding.

### SINGLE BLUE

**Bismarck**—Sky blue, very broad spike, excellent for early forcing.

**Enchantress**—Porcelain tinted lilac, light center, handsome spike.

**Grand Maître**—Deep, lavender-blue; dark stem and compact truss.

**King of the Blues**—Rich, dark blue; splendid spike and bells. The finest for late forcing.

**Pearl Brilliant**—Pale blue, extra large bells.

**Queen of the Blues**—Porcelain sky-blue; a very beautiful flower.

### SINGLE PINK, ROSE

**Gigantea**—Very large, light pink flower; compact spike; extra fine variety.

**Lady Derby**—Soft, rose; large truss and bells; fine for pot culture.

**Moreno**—Very bright rose, large compact truss.

**Queen of the Pinks**—Beautiful rosy pink, extra bells, long spike.

### SINGLE RED

**Gertrude**—Light red, large attractive spike; a splendid early.

**Robert Steiger**—Deep red; a splendid bedder.

**La Victoria**—Large red, very fine spike; extra for exhibition.

### SINGLE WHITE

**Albertine**—Early pure white, with open petals; an extra fine hyacinth.

**L'Innocence**—Purest white; equally good for forcing or bedding.

**La Grandesse**—The most showy white; fine bells.

### SINGLE YELLOW

**King of the Yellows**—A splendid pure yellow; not early; tall and handsome spike.

**Yellow Hammer**—Pure yellow; beautiful neat truss.

## DOUBLE HYACINTHS

### Selected First Size

**Bouquet Royal**—Salmon pink, dark center.

**Gen. Kohler**—Bright blue, a splendid forcer; one of the best of the double blues.

**La Grandesse**—Pure white, fine bells and spikes.

**Roosevelt**—Deep red; large bells.

### HYACINTH GLASSES

Used for forcing Hyacinths as recommended in cultural directions. Green, Blue, Amber and Wine colors. Each, 35c.



L'Innocence.

## PRICE ON ABOVE HYACINTHS

Each .....\$0.15  
Per dozen..... 1.50

PLANT  
"PURE AND SURE" BULBS



## HYACINTHS

### SELECT SECOND SIZE NAMED

These second size Hyacinths will be found fine for forcing and highly recommended for those who desire extra good bulbs for bedding.

Our list of second size Hyacinths embrace the leading named sorts and are larger bulbs than those sold as mixed and are strictly true to name and color. They can be used to great advantage for a pretty effect in bedding, securing uniformity, color and height.

#### SINGLE BLUE-PURPLE

**Bismarck**—Sky blue, very broad spike, excellent for early forcing.

**Enchantress**—Porcelain tinted lilac, light center, large spike.

**Grand Maitre**—Deep porcelain blue; large truss.

**King of the Blues**—Rich, dark blue; fine for forcing.

**Queen of the Blues**—Pale blue, very fine.

#### SINGLE PINK, ROSE

**Gigantea**—Very large; light pink flower. Extra fine bulbs.

**Lady Derby**—Soft rose; large truss and bells. A good variety for pot culture.

**Moreno**—Pink shade; very early.

**Queen of the Pinks**—Beautiful rose pink, extra bells, long spike.

#### SINGLE RED

**Gertrude**—Light red, large compact truss.

**La Victoria**—Large red, very fine spikes, extra for exhibition.

#### SINGLE WHITE

**Albertine**—Pure white, early.

**L'Innocence**—Purest white; a grand variety.

**La Grandesse**—Pure white, fine large bells.

#### PRICE ON ABOVE HYACINTHS

Each .....	\$0.10
Per dozen.....	1.10

## HYACINTHS FOR BEDDING

Few bulbs can be used for bedding with such good effect as Hyacinths.

Their delightful fragrance and attractive appearance draws the admiration of all. Not only in formal beds can Hyacinths be used to advantage, but along fences, borders, and hundreds of places can be well utilized by at least a small planting of these beautiful flowers.

Our Bedding Hyacinths can be depended upon to turn out the kind of beds you want—full of flowers. All these bulbs are grown under the best of care and are shown in separate colors so that you can easily make your selection. They are especially adapted to outdoor growing.

#### SINGLE MIXED

	Doz.	100
Rose .....	\$0.75	\$5.50
Red .....	.75	5.50
Light Blue.....	.75	5.50
Dark Blue.....	.75	5.50
White .....	.75	5.50

#### DOUBLE MIXED

Red .....	\$0.75	\$5.50
Rose .....	.75	5.50
Light Blue.....	.75	5.50
Dark Blue.....	.75	5.50
Pure White.....	.75	5.50

## HYACINTHS

### Early French Roman

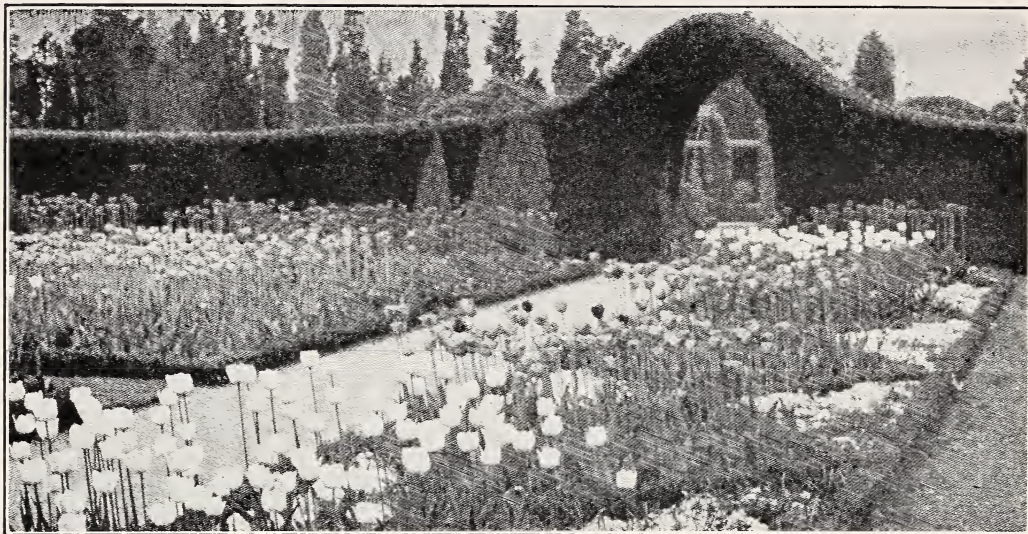
A charming class of Hyacinths from the South of France, producing graceful, delicately perfumed spikes of pure white flowers. They force readily in the house, but we do not recommend them for outdoor planting.

Three bulbs can be put in a 4-inch, or six bulbs in a 6-inch pan or pot, and as each bulb produces several spikes, it makes a beautiful plant for Conservatory or House Decorations.

**White Romans**, select bulbs. Per dozen, \$1.50.







## THE CULTURE OF TULIPS

**I**T is difficult to conceive anything more brilliant in color than a bed of good Tulips. Their great variety of color, intense brilliancy and beautiful shadings make them universal favorites. The ease with which they can be grown and the low price at which they are offered are added points in their favor and the cause of the many plantings of Tulips seen throughout the country.

Tulips do well in any good garden soil and may be planted any time during the autumn before the ground is closed by the frost. The bulbs should be placed from five to six inches apart and from three to five inches deep, varying with the soil. They are perfectly hardy and require no covering during the winter, but a light covering of leaves or manure will keep the frost from throwing them out of place. A dry, sunny position is the best.

While Tulips are usually planted in beds, yet they can be used to great advantage in many places. They make an effective border for beds of shrubbery or perennials.

Tulips may be planted singly in four-inch pots, five or six in six-inch pots or in double or triple rows in window boxes. They need practically no care after planting other than to be set in a cool, dark cellar and watered occasionally. When an inch or two above the ground they may be brought to the light of a cool window. Plenty of time and little heat mean success, while haste and too much heat spell disaster in forcing Tulips.



**Darwin Tulips**



## GIANT DARWIN TULIPS

### THE MOST BEAUTIFUL OF ALL THE TULIPS

Darwin Tulips are most valuable for permanent planting. For the borders among other hardy flowers; in formal gardens in conjunction with Single Early Tulips; for isolated groupings against a background of shrubs, or for combinations of delicate colors for effects of contrast in the flower garden, the Darwins stand without peer.

They are quite distinct in their style of growth from the other late-flowering sorts; stately in appearance, attaining a height of 24 to 40 inches, and bearing, on long, straight stems, beautiful globular flowers of remarkably heavy texture. Their range of color is immense, embracing almost every conceivable tint in rich and rare shades.

	Doz.	100		Doz.	100
<b>Baronne de la Tonnaye</b> —A long and beautiful flower; clear carmine-rose at the mid-rib, toning off to soft pink at the edges; base white, tinged blue. Height, 26 inches.....	\$9.50	\$4.00	white center; an extra fine variety .....	\$0.60	\$4.75
<b>Bartigon</b> —Fiery crimson; a very showy variety, with white base which shows up splendidly when the flower is open. One of the earliest forcing varieties.....	.60	4.75	<b>Farnecombe Sanders</b> — Scarlet, with center white; large broad-petaled flower of perfect shape; easily the best in its color; fine for forcing or outdoors .....	.60	4.75
<b>Clara Butt</b> —Soft salmony pink, tinged with blush. Forces well. One that will please the most critical Tulip grower....	.40	3.25	<b>Flamingo</b> —Rosy flesh color; pointed flower. Extra distinct white center.....	.60	4.75
<b>Dream</b> —It is really like a dream to see this beautiful lilac-shaded Tulip; words can not describe it.....	.50	4.00	<b>Glow</b> —Brilliant, glowing vermillion, white and blue base .....	.60	4.75
<b>Europe</b> —A fiery scarlet with			<b>Gretchen</b> —Outside of petals are a delicate blush, while the inside are a soft rose.....	.40	3.00
			<b>Harry Veitch</b> —A rich blood-red; very brilliant in the sunlight; with blue base; large, bold flower on long stem. Height 28 inches.....	.45	3.50
			<b>King Harold</b> — Large flowers of dark maroon - scarlet.....	.50	4.00
			<b>La Tulipe Noire</b> — Nearest of all to the black color.....	.45	3.50
			<b>Massachusetts</b> — Deep rose - banded petals with very distinct pale rose edges. Long oval blooms on strong, erect stems .....	.50	4.00
			<b>Madame Krelage</b> —Bright pink, light edge; large flower....	.50	4.00
			<b>W. Copeland</b> — Sweet lavender .....	.60	4.75
			<b>Pride of Haarlem</b> —Magnificently formed flower of immense size; brilliant, deep salmon-rose, shaded scarlet; light blue base .....	.50	4.00
			<b>Painted Lady</b> — The finest creamy white; an extra fine all-around variety.....	.40	3.00
			<b>Inglescombe Yellow</b> —Very glossy canary yellow .....	.50	4.00



### MIXED DARWIN TULIPS

If you want a lot of variety at a low price and still secure quality bulbs, you can't do better than to plant our special mixed Darwin Tulips.....

\$0.40    \$3.00

To the above prices add postage at zone rate of 1 lb. per dozen bulbs.



## EARLY SINGLE-FLOWERING TULIPS SELECTED FIRST SIZE BULBS ONLY

By parcel post, add postage at zone rate of 1 lb. per dozen bulbs.

It is difficult to conceive anything more brilliant in color than a bed of Tulips. Their beautiful shadings, great variety of color and intense brilliancy makes them the great favorites for early spring flowers. Another consideration in their favor is their low cost and ease of cultivation, for anybody can grow Tulips successfully.

They are within the reach of all and should be planted by every flower lover. If it is only a few, you can brighten up some spot with them. They are perfectly hardy and need very little protection during the winter.

But not only outside do they do well. Try your hand at forcing some of them indoors this year. If you admire flowers for the house there is no easier way to have them. On page 6 we have endeavored to explain briefly how to grow Tulips.

The Tulips we offer are among the most perfect flowers in form, wealth of color and variety of markings. Do not be bothered with planting cheap bulbs. All you will get out of them is disappointment. Secure the very best and make sure of the results.

The letters A, B or C following the varieties indicate their earliness of bloom; those marked A flower together and are the earliest; B's follow before the A's are out of bloom, etc. The figures indicate average height in inches.

### SINGLE SCARLET OR RED

	Doz.	100
<b>Artus</b> —B 7. Deep red, fine bold flowers, very fine for forcing and bedding.....	\$0.40	\$3.00
<b>Belle Alliance</b> —B 10. Brilliant scarlet, yellow base; large flower. Excellent for bedding or forcing.....	.45	3.50
<b>Cramoisi Brilliant</b> —C 9. Glowing scarlet, yellow base. Excellent bedder.....	.40	3.00
<b>Couleur Cardinal</b> —C 9. Brilliant crimson-scarlet, with beautiful purplish sheen on the outer petals. Excellent bedder.....	.50	4.00
<b>Dusart</b> —B 7. Rich deep scarlet, a grand bedder.....	.40	3.00
<b>Prince of Austria</b> —B 10. Brilliant orange-scarlet; yellow base; large and showy flower; deliciously sweet scented. Good for bedding or forcing.....	.50	4.00
<b>Pottebakker, Scarlet</b> —A 9. Good bedder.....	.50	4.00
<b>Vermillion Brilliant</b> A 12. Bright glistening scarlet, with yellow base. For forcing or bedding.....	.50	4.00
<b>SINGLE WHITE</b>		
<b>Lady Boreel</b> —B 10. Pure white, large flower, a grand tulip for exhibition, also bedding.....	.50	4.00
<b>L'Immaculee</b> —A 8. Pure white, large, very early flowers.....	.40	3.00
<b>Pottebakker, White</b> —A 9. Pure white; large and showy flower. Excellent for bedding or forcing.....	.50	4.00
<b>White Hawk</b> —A 10. January forcing. Large, pure white flower of globular form; excellent shipping variety on account of its lasting qualities. Good bedder.....	.50	4.00
<b>White Swan</b> —B 10. True, pure white, late.....	.40	3.00

### RED AND YELLOW

	Doz.	100
<b>Duchesse de Parma</b> —B 110. Deep orange maroon with irregular border of deep yellow. Excellent for bedding or early forcing.....	\$0.40	\$3.00
<b>Joost Van Vondel</b> —B 9. Cherry red, feathered white through center of petals.....	.40	3.00
<b>Kaiserkrone</b> —B 12. Red, edged clear rich yellow; large flower. Excellent showy bedding or forcing variety. Extra large bulbs.....	.50	4.00





## EARLY SINGLE-FLOWERING TULIPS

## PINK AND ROSE

	Doz.	100		Doz.	100
<b>Cottage Maid</b> —B 9. Rosy pink edges, shaded to white.....	\$0.45	\$3.50	<b>Prosperity</b> —B 12. Rose pink, splendid for early forcing and bedding.....	\$0.50	\$4.00
<b>La Reine</b> —B 8. White, faintly flushed with rose; fine forcer.	.40	3.00	<b>Rose Gris-de-lin</b> —C 10. Rose, flushed and feathered creamy white. Very fine for bedding.....	.40	3.00
<b>Pink Beauty</b> —B 10. Vivid cherry-rose, center of petals striped white. One of the best dark pink bedding Tulips.....	.75	6.00	<b>Rose Luisante</b> —C 10. Brilliant deep rose-pink; large flower of great substance. Splendid for bedding or for pots and pans when forced late.....	.50	4.00
<b>Proserpine</b> —A 12. Rich, silky carmine rose. This variety still heads the list for Christmas forcing. Excellent for bedding also.....	.60	4.50			



Single Tulips

## SINGLE YELLOW

**Chrysolora**—B 10. Clear, golden yellow; large globular flower. Excellent for bedding. Per dozen, 40c; per 100, \$3.00.

**King of the Yellows**—B 9. For early forcing or bedding. Large and fine form. Per dozen, 40c; per 100, \$3.00.

**Mon Tresor**—A 12. Golden yellow; the flowers are large and of a pure color. Mostly used for growing in pots or pans, for which purpose it is best; a good bedder also. Per dozen, 50c; per 100, \$4.00.

**Pottelbakker, Yellow**—A 9. Large yellow. Per dozen, 50c; per 100, \$4.00.

**Thomas Moore**—B 12. Rich apricot-orange. Excellent for bedding or forcing. Per dozen, 40c; per 100, \$3.00.

**Yellow Prince**—B 10. Excellent for bedding or forcing. Per dozen, 40c; per 100, \$3.00.

## SINGLE VIOLET

**President Lincoln**—B 12. Clear magenta-violet; large flower; very effective. Per dozen, 50c; per 100, \$4.00.

**Wouwerman**—B 9. Deep violet, fine bedder. Per dozen, 50c; per 100, \$4.00.

### “PURE AND SURE” Special Mixed Tulips

Some mixed Tulips are nothing but cheap, undersized bulbs of low quality. That is why they are offered at low prices.

But not so with our Special Mixture. They are all “Pure and Sure” Bulbs of highest quality and such that will come up to your expectations.

They are fine for bedding, as this mixture is made up of a great variation in colors and shades, which makes an effective group when massed in beds. And what is more, they are offered at a lower price than the named varieties. Per dozen, 35c; per 100, \$2.75.



## DOUBLE EARLY TULIPS

The double Tulips are very desirable for bedding purposes and while they are generally later in blooming than the single sorts, the length of time they bloom lasts much longer than those of the single early varieties.

	Doz.	100		Doz.	100
<b>Couronne d'Or</b> —Fine old golden-yellow color with slight orange shade, large well formed flower of great substance and on strong stem; extra for forcing. The only popular double yellow Tulip	\$0.60	\$4.50	<b>Rex Rubrorum</b> — Fine bright scarlet, large flower; extra for forcing and splendid for bedding	.45	3.50
<b>Le Matador</b> —A 10. Dazzling scarlet, fine for bedding and forcing	.50	4.00	<b>Rubra Maxima</b> —A 9. One of the best scarlets, either for bedding or forcing	.50	4.00
<b>Lucretia</b> —Bright pink, obvious color, very large well formed flower and if forced well, the best selling of all the doubles	.40	3.00	<b>Salvator Rosea</b> —A 9. Light pink, extra	.50	4.00
<b>La Candeur</b> —White, green tipped, large full double flower on strong stem; extra for bedding	.50	4.00	<b>Schooner</b> —B 10. Pure white, sport of Murillo	.50	4.00
<b>Murillo</b> — White, shading to delicate pink, large beautiful shaped flower on strong stem; a gem for forcing and bedding	.40	3.00	<b>Tournesol</b> —B 9. Red and yellow	.60	4.75
<b>Mr. van der Hoef</b> —Pure golden yellow, large flower, good forcer. Sport of Murillo, extra	.60	4.50	<b>Tournesol</b> —B 9. Yellow, bright yellow, shaded orange	.50	4.00
			<b>Tea Rose</b> —B 10. Pale yellow flushed salmon, quite a distinct shade in Tulips and a lovely color	.50	4.00
			<b>Vuurbaak</b> —B 10. Orange-scarlet, excellent for pots	.60	4.50

## DOUBLE MIXED TULIPS

They are fine for bedding, as this mixture is made up of a great variation in colors and shades, which makes an effective group when massed in beds. Per dozen, 35c; per 100, \$2.75.

## PREPARED BULB FIBRE

This material has become very popular for growing bulbs in, and is especially adapted for use in the home, being clean and odorless, and as it is light in weight, can be sent to a distance at small expense.

It contains all the necessary plant food for almost all kinds of bulbous plants.

Before using it should be thoroughly moistened, and the bulbs planted in the same way as if soil were used. A special feature of this material is that bulbs can be grown in it in jardinières, fern dishes and other non-porous receptacles without drainage. In such cases it is necessary to put a few pieces of charcoal in the bottom of each receptacle to take up any impurities, and after watering, the jardinières or dishes should be turned over on their side to allow any surplus water to drain off.

Treatment after planting in this material is the same as when planted in soil.

Price, per peck.....\$1.00



Couronne d'Or



**NARCISSUS—PAPER-WHITE GRANDIFLORA**

**The Popular Large-Flowered Bunch Narcissus for Christmas Blooming Either in Soil or Stones and Water**

A very decorative class of bulbous plants for greenhouse and window garden. They produce large trusses of bloom and are quite fragrant. These bulbs are not hardy and should not be planted outdoors. There are hardly any of the Narcissi that respond to forcing so easily and quickly, and a large number of florists have them in bloom from November until Easter. The variety Paper-White can be grown in water, with pebbles in shallow dishes or bowls.

Six bulbs to be planted in an ordinary-sized dish. It is advisable to start the bulbs in a dark place for four to six days. Grow cool and give plenty of water. In order to grow successions of blooms during the entire Winter, plant every two weeks. **Mammoth Large Flowering Bulbs, per dozen, \$1.00; per 100, \$8.00. First size bulbs, regular stock, per dozen, 75c; per 100, \$6.00.**

**CHINESE LILIES****Joss Flower or Sacred Lily**

These, like the Paper-Whites, are largely grown indoors and are excellent for forcing. They are similar to the Paper-Whites, but have a yellow cup in the center. The outer rim of the flower is white.

Chinese Lilies can be grown in pots, but they do better when planted in bowls filled with pebbles and water. **Mammoth Bulbs only, each, 25c; per dozen, \$2.75.**



**Giant Paper-White Grandiflora**

**DOUBLE NARCISSUS OR DAFFODILS**

**Double Von Sion Narcissus**

These old-fashioned daffodils are still very popular and though they lack the sturdiness of some of the single varieties as bedders, they have a delightful fragrance and are excellent for cutting, while the old Von Sion has no equal. This is the old favorite variety, so highly prized in old-fashioned gardens. Excellent for either forcing or cut flowers. If planted out of doors it can remain where planted for a number of years, blooming freely every year. It is as popular now as ever and every one who loves daffodils should plant it.

**Von Sion's XXX**—Extra fancy double nosed mother bulbs. These never throw less than three flowers, often more. These are fine for pans. **Per dozen, \$1.00; per 100, \$8.00.**

**Von Sion Extra Selected Double-nosed Bulbs**—Each bulb will produce at least two flowers and frequently three or more. **Per dozen, 75c; per 100, \$5.50.**

**Von Sion Selected Single-nosed Bulbs**—Each bulb will produce at least one fine flower and often two. **Per dozen, 50c; per 100, \$3.75.**

**Orange Phoenix (Bacon and Eggs)**—Beautiful double white flowers, with orange nectary. Splendid for pot culture and cutting and for garden decoration. **Per dozen, 60c; per 100, \$4.50.**

**Sulphur or Silver Phoenix**—Creamy white, with pale sulphur center, considered the finest of the double sorts. **Per dozen, 60c; per 100, \$4.50.**



## SINGLE NARCISSUS—GIANT TRUMPET VARIETIES

By parcel post, add postage at zone rate of 2 lbs. per dozen bulbs.

There are no hardy bulbous plants which have more points of merit than the Narcissus. Perfectly hardy, growing and doing well in almost any soil, they have a preference for a good, deep soil, and a semi-shaded position—amongst the grass, under the trees, etc., etc., could not be used to better advantage than by filling with Narcissus. They are equally desirable for pot culture or for winter flowering. Three or four bulbs can be put into a 5-inch or 6-inch pan or pot and with the same treatment as given to Hyacinths. But it is outdoors that Narcissus do best, and if planted in October or November out in the open ground in a good soil, let them remain undisturbed. After flowering let the leaves die back, but do not cut them off or the bulb will not flower next year. Set 5 inches deep and 6 to 8 inches apart. The bulbous roots will multiply and send up fine long flower stems every Spring. Be sure to keep the ground moist during the growing season if season is dry. We handle only strictly selected bulbs that are sure to produce satisfactory returns.

Doz. 100

**Emperor**—One of the largest and finest Daffodils in cultivation, pure yellow trumpet of immense size, and wide overlapping, rich primrose perianth; for bedding, naturalizing or for growing in the house it is unequaled. Much in demand for cutting.

**Exposition or Jumbo Bulbs..\$1.00 \$7.50**  
**First size, round bulbs..... .60 4.50**

**Empress** — Of strong, robust growth, with fine large flowers; the perianth snow-white, trumpet rich yellow, serrated and flanged at the edges; one of the best bicolors and of rare beauty for cutting.

**Exposition or Jumbo Bulbs.. 1.00 7.50**  
**First size, round bulbs..... .60 4.50**

**Sir Watkin**—The Giant Chalice Flower. A gigantic variety; immense long-stemmed flowers, sometimes measuring 5½ inches across, being the largest variety grown. Color a rich light yellow, with a very large dark cup, tinted with orange. **Per dozen, \$1.00; per 100, \$7.50.**

**Victoria** — Bi-color, famous for its large and durable flowers, which stand boldly erect; broad perianth of creamy white; large, broad, fluted trumpet of rich yellow. A strong grower, with massive flowers. **Exhibition or Jumbo Bulbs, per dozen, \$1.00; per 100, \$7.50. First size, per dozen, 60c; per 100, \$4.50.**

## JONQUILS

We frequently receive orders for Jonquils when the Giant Trumpet Daffodils are desired. The Jonquils belong to a distinct type of the Narcissus family.

**Double Jonquil**—Double deep golden yellow flowers; powerful scented and good for forcing. **Per dozen, 40c; per 100, \$3.00.**

**Single Jonquil** — The well-known favorite, delicately scented and beautiful for forcing. Rich yellow; very fragrant. **Per dozen, 40c; per 100, \$3.00.**

**Campanelle**—Large, yellow flowers, four to six on a stem; fine for forcing. **Per dozen, 50c; per 100, \$3.50.**

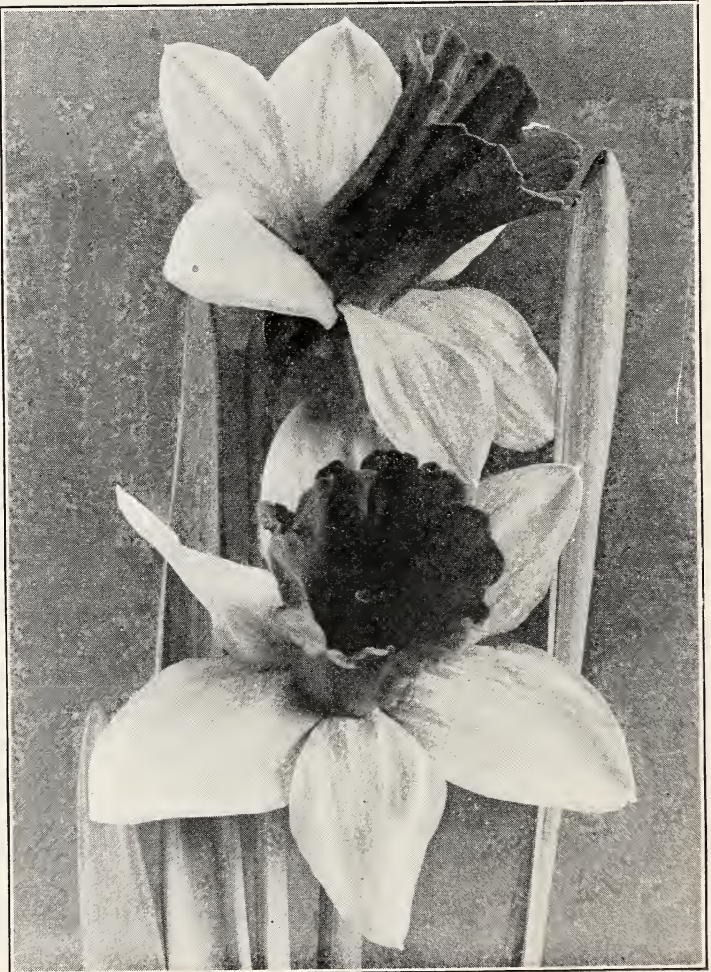
Doz. 100

**Golden Spur**—The most popular of the golden yellow trumpets with cut-flower growers, as it produces freely and early its handsome rich, deep yellow flowers.

**Exhibition or Jumbo Bulbs..\$1.00 \$8.00**  
**First size, round bulbs..... .65 5.09**

**King Alfred** — Golden yellow perianth, beautifully formed, large bold flowers..... 1.75

**Princeps**—Very early. This is one of the most popular winter-flowering and forcing varieties grown. Flowers large; perianth sulphur, an immense, rich yellow trumpet ..... .60 4.50





## MEDIUM TRUMPET NARCISSUS

This is also a very popular type or rather types of the Narcissus or Daffodil family. Splendid for garden culture, in pots or pans, or in flats, for cut flowers.

**Autoerat (Incomparabilis)**—Clear golden yellow; broad perianth tending to reflex, cup widely expanded at the mouth. Height 20 inches. **Selected bulbs, per dozen, 50c; per 100, \$4.00.**

**Barrii Conspicuous**—Large, broad-spreading perianth of soft yellow; short, yellow cup, edge bright orange-scarlet. **Per dozen, 50c; per 100, \$4.00.**

**Mrs. Langtry (Leedsii)**—A remarkably free-flowering variety, each bulb usually producing several flowers; broad, white perianth, and white cup opening pale primrose. Height 16 inches. **Selected bulbs, per dozen, 50c; per 100, \$4.00.**

**Lucifer**—Handsome white perianth, cup glowing orange red. **Per dozen, 50c; per 100, \$4.00.**

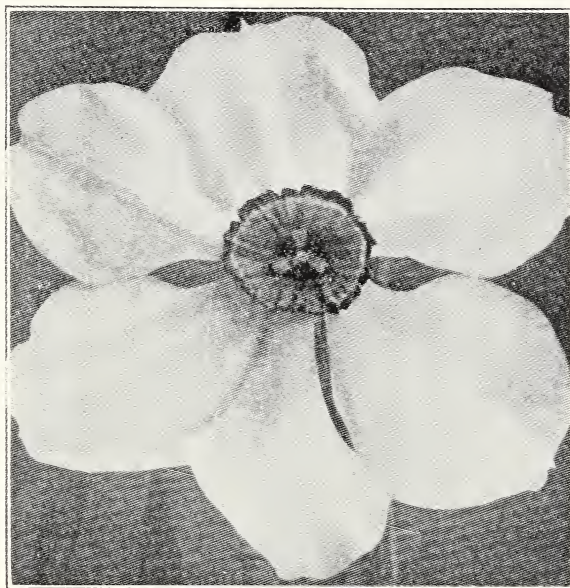
## POET'S NARCISSI

### Poeticus Narcissus

This class of Narcissus, instead of having a trumpet or crown, has a small, wide-mouthed cup. They are very hardy, and are used in large numbers for naturalizing.

**Poeticus ornatus**—This is the old-fashioned favorite type, with white flowers, the cups margined with red and with rich, spicy odor. **Per dozen, 50c; per 100, \$4.00.**

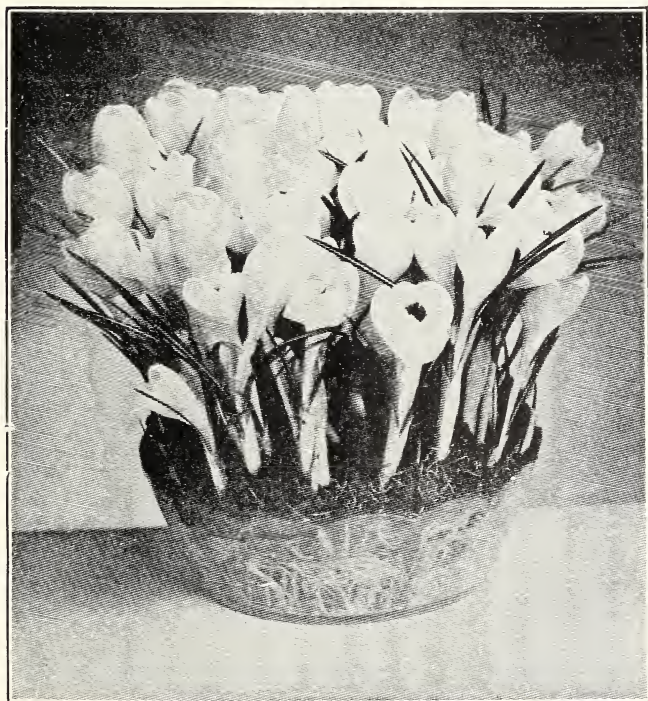
**Glory of Lisse**—The improved Poeticus ornatus, a splendid forcer. **Per dozen, 60c; per 100, \$4.50.**



Poet's Narcissus

## CROCUS—GIANT FLOWERING

Crocuses, among the first flowers to bloom in the early Spring, are always the admiration of everyone, especially when planted amid the grass in lawns, their bright flowers producing a fine contrast. They may also be planted among other Spring-flowering bulbs, such as Tulips, Hyacinths and Narcissi, making a splendid show before the other varieties begin to bloom.



Kathleen Parlow

**Albion**—Dark purple, striped white, extra large, fine flower. **Per dozen, 30c; per 100, \$2.00.**

**Baron von Brunow**—Very large, deep rich purple. **Per dozen, 30c; per 100, \$2.00.**

**Caesar**—Purple, fine large flowers. **Per dozen, 35c; per 100, \$2.50.**

**Kathleen Parlow**—Purest white, large orange anthers, fine substance. **Per dozen, 40c; per 100, \$3.00.**

**King of the Blues**—Dark blue, large flower. **Per dozen, 35c; per 100, \$2.50.**

**Mammoth Yellow**—Golden yellow, mammoth bulbs, free flowering. **Per dozen, 40c; per 100, \$3.00.**

**Mont Blanc**—A pure white, good. **Per dozen, 30c; per 100, \$2.00.**

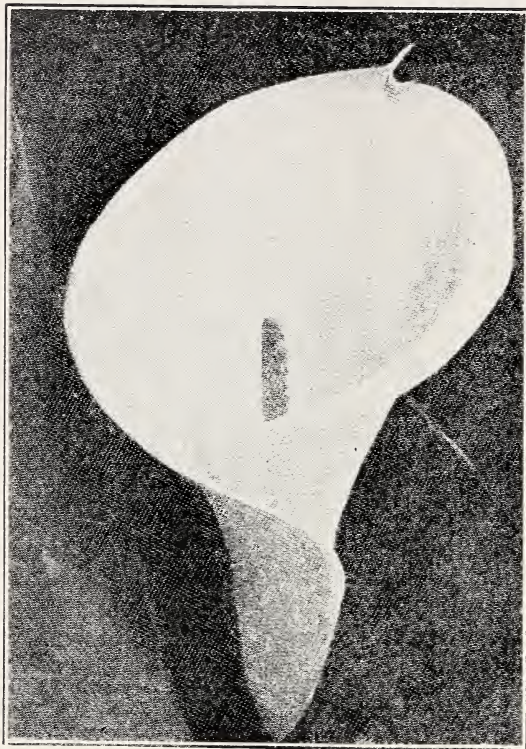
**Sir Walter Scott**—Large white, striped with lilac. **Per dozen, 30c; per 100, \$2.00.**

**Palas**—White ground, light lilac spikes, orange anthers. **Per dozen, 35c; per 100, \$2.50.**

## CHOICE MIXTURES OF CROCUS

The following mixture is well adapted for bedding, naturalizing or planting in conspicuous places in lawns. The bulbs are of a somewhat smaller size than the named varieties, but may be planted quite close together. **Per dozen, 20c; per 100, \$1.50.**





Calla Lily

## LILIUM LONGIFLORUM FORMOSUM

The plants are of healthy, strong growth and produce beautiful snow-white trumpet-shaped flowers.

It is perfectly hardy, blooming in the open during June and July. A fine variety for cut flowers.

**Selected Bulbs, each, 40c; per dozen, \$4.50.**

## LILIUM LONGIFLORUM GIGANTEUM

**Japanese Easter Lily Best Grown Indoors**

Best of all lilies for indoor pot culture; bulbs planted when received, can be readily brought into bloom by Easter if kept in a warm room or greenhouse. Flowers are large trumpet-shape, pure white in color and of a delicious fragrance. Being perfectly hardy (if given a little protection). **Select size, each, 40c; per dozen, \$4.50.**

## IMPROVED FREESIAS

Without doubt the most sweetly scented flower growing; a single bloom permeates the living-room with its delicate perfume. Procure the bulbs as early as possible, and plant them in successive batches from August to October. The soil should be a mixture of loam, to which must be added leaf-mold and sand.

**Improved Purity** — The finest and purest white variety yet introduced. **Purity White**—Extra large bulbs, **per dozen, 50c; per 100, \$4.00.**

## LILY BULBS

For color, fragrance, beauty and variety of form, nothing can equal these grand flowers; whether grown in pots or grouped in the hardy plant border, where their hardiness makes them so desirable, they are always an object of beauty, and by judicious selection one can have a continuous bloom from early summer until fall.

## CALLA LILIES

Callas occupy a prominent place among our favorite house plants because they are so easily grown and give thorough satisfaction, even where they only receive moderate attention and nursing. For best results they should be planted in rich soil, and plenty of water during the growing period is essential to ideal development. Repot in good, rich soil by September 1st; bring to the light, and give an abundance of water in a warm room. **Large bulbs, each, 50c; per dozen, \$5.50. Medium bulbs, each, 35c; per dozen, \$3.50.**

## LILIUM CANDIDUM

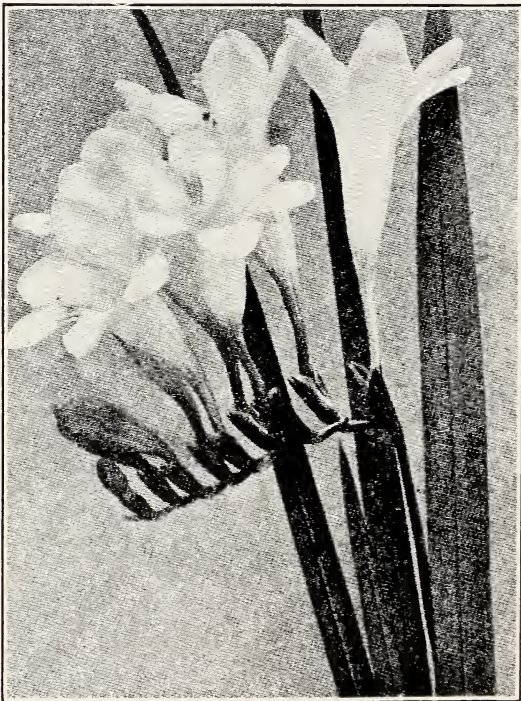
(Madonna Lily)

**Arrive in August or September**

The favorite Lily of the old-fashioned garden, produces strong, stiff stems, studded with a mass of pure, glistening white flowers, that enliven the perennial flower-garden or, for contrast with the beautiful green shrubs of the June garden, are unequalled, frequently growing 4½ feet high.

Plant some bulbs during September and October, and enjoy a big crop of flowers next June; or pot up, store in coldframe, and force for early winter in the greenhouse or conservatory. Our bulbs of this splendid Lily are grown in northern France, and are of the true thick-petaled variety, which is much superior in habit and flowering qualities to that of the cheap, loose, southern-grown bulbs.

**Each, 40c; per dozen, \$4.50.**



Freesias



## HARDY LILIES

Spade over the ground thoroughly to a depth of 18 inches before planting Lilies and enrich it by adding equal portions of leafmould, peat and rotten manure. Plant the bulbs 4 to 6 inches deep, putting some sand under and around the bulbs, and after covering protect with six or eight inches of leaves or other litter, which must be removed in late spring.

April planting is advisable, if prevented planting the previous fall.

**Note.**—Most Lily bulbs, being of late maturity, are not ready before October and November (the best time to plant them). Where the ground is liable to freeze up before the late lilies arrive, it should be mulched with six or eight inches of leaves or manure so the bulbs may be planted on arrival.

### LILIUM SPECIOSUM ALBUM

The white Speciosum, which is usually grown with Magnificum and Liliun auratum, is a very dainty Lily. It flowers outside in the border or among shrubs at the same time as Auratum and is one of the most extensively cultivated varieties.

Large bulbs, each, 40c; per doz., \$4.50.

### LILIUM AURATUM

One of the finest and most popular of the hardy garden Lilies. It thrives best in locations where the lower portion of the plant will be partially sheltered from the hot sun, as among peonies or herbaceous plants in the hardy border, where groups of six to twelve of these Lilies produce a stately and magnificent effect. The flowers are pure white, thickly studded with crimson spots, while through the center of each petal runs a clear golden band. Fully expanded the flowers measure nearly a foot across, are produced abundantly from June to October. Large bulbs, each, 40c; per dozen, \$4.50.

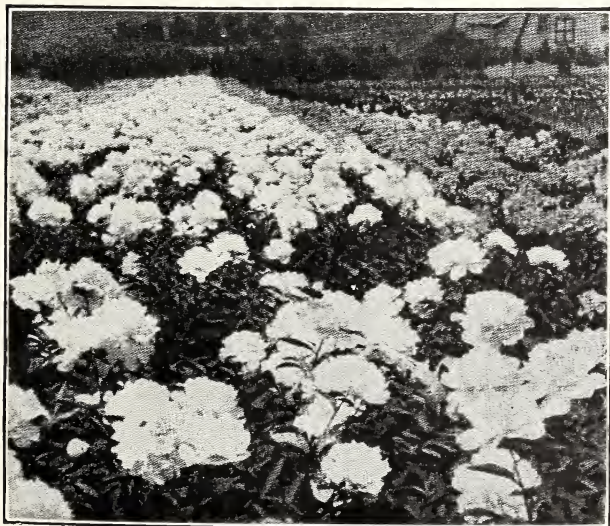


**Speciosum Rubrum**—No words can overstate the brilliant beauty of these famous Japanese Lilies. The six broad white or pink petals are thickly dotted with rose or crimson spots and the graceful form and brilliant color make them very effective and desirable. Especially thrifty and hardy. One of the best for garden culture. Price, each, 40c; doz., \$4.50.

**Melpomene**—Words cannot describe the beauty of this variety. Frosted white spotted, clouded and bordered with pinkish crimson. Petals deeply recurved and widely bordered. Price, each, 40c; dozen, \$4.50.

## HERBACEOUS PEONIES

The old-fashioned Paeony officinalis of our grandmother's garden, while still popular because of their early flowering, have been eclipsed by the wonderful improved sorts introduced in recent years. They are the



"Queen of Spring Flowers," and are well adapted for massing in beds, and particularly valuable for planting in groups throughout the perennial or shrubby border where their brilliant hues add attraction to all around. Their requirements are so simple—a good, rich, deep soil, and an open, sunny position.

**Edulis Superba**—Beautiful deep rose-pink, large and of good form; fragrant flowers; a fine variety. Each, 50c.

**Festiva Maxima**—Very large, pure-white flowers; tall and vigorous stalks, early. Each, 60c.

**King Edward**—A deep red, bearing fine flowers; one of the best keepers. Each, 60c.

**Queen Victoria**—Pure white with creamy white center. Each, 50c.

**Zoe Calot**—Beautiful rose-pink; large and of good form; fragrant and very early. Each, 50c.



## FLOWER SEEDS FOR AUTUMN SOWING

## ANTIRRHINUM

The varieties offered below are the best and most improved of the largest-flowering sorts. The blooms are double the size of the old varieties and for a select strain of this great favorite, plant our improved strain.

**ANTIRRHINUM**—Greenhouse forcing varieties, selected seed.

	Price, pkt.
<b>Keystone</b> —A stately variety of dark pink.....	\$0.25
<b>Nelrose</b> —Beautiful rose-pink.....	.25
<b>Silver Pink</b> —Soft silvery pink, marvelous producer.....	.25
<b>Golden Pink Queen</b> —Very popular.....	.25
<b>Philadelphia Pink</b> —(Allman's).....	.25
<b>ANTIRRHINUM, HALF DWARF.</b>	
<b>The Bride</b> —White.....	<b>Golden Queen</b> —Pure yellow.
<b>Defiance</b> —Orange or russet red.....	<b>Daphne</b> —Soft bluish pink.
<b>Crimson King</b> —Deep red.....	<b>Rose Queen</b> —Rich rose.
Price, any of the above varieties, pkt., 10c; ¼ oz., 25c.	
<b>ANTIRRHINUM, GIANT FLOWERING.</b>	
<b>Rose.</b> .....	<b>Garnet.</b>
<b>Scarlet.</b> .....	<b>Venus</b> —Delicate pink.
<b>Striped.</b> .....	<b>Queen Victoria</b> —White.
<b>Yellow.</b> .....	<b>Purple King.</b>
Price, any of the above varieties, pkt., 10c; ¼ oz., 25c.	

## ST. L. S. GIANT PANSIES

Pkt. ¼ Oz.

**St. L. S. Co.'s "Nonpareil" Mixture**—This is certainly one of the grandest collections of the rarest and most beautiful varieties of Pansies. There is no end to the countless shades of color with which nature has endowed this mixture. The flowers are of a large size and the plants grow more compactly bushy than other mixtures.....

\$0.20 \$2.00

**Imperial Giant, Mixed**—They embrace all the solid or self-colors.....

.15 1.25

**Masterpiece**—This grand giant Pansy is remarkable in having the borders of the petals waved or frilled, which gives the flower an almost double appearance; the type is altogether novel and distinct.....

.15 1.25

**Cassier's Giant Blotched**—mixed.....

.20

**Bugnot's Giant Blotched**—mixed.....

.15

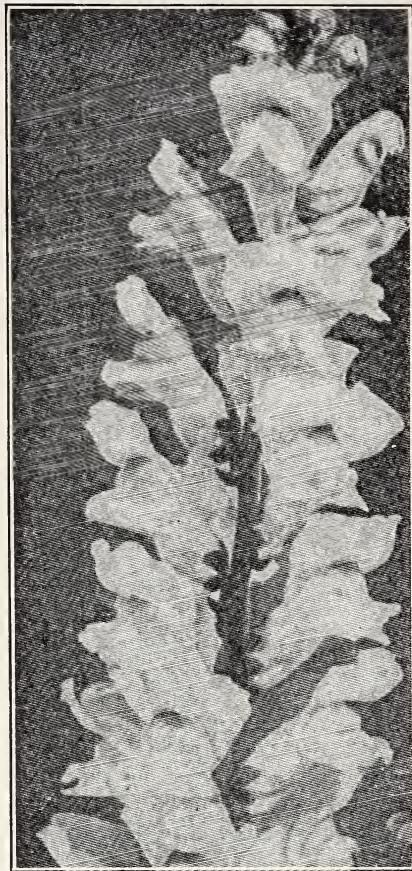
**Trimardeau Giant Flowers**.....

.10 .60

## SEPARATE COLORS

All Gaint-Flowered Varieties

	Pkt.	¼ Oz.
<b>Snowflake</b> —White.....	\$0.10	\$0.65
<b>Faust</b> —Black.....	.10	.65
<b>Lord Beaconfield</b> —Blue and white.....	.10	.65
<b>Fire King</b> —Golden yellow, upper petals crimson.....	.10	.65
<b>Emperor William</b> —Azure blue.....	.10	.65
<b>Gold Elsie</b> —Pure yellow.....	.10	.65
<b>Madam Perret</b> —Dark, wine, pink and red.....	.10	.65
<b>CALENDULA</b>		
<b>Orange King</b> —Deep orange.....	\$0.10	\$0.20
<b>Prince of Orange</b> —Golden yellow.....	.10	.20
<b>Lemon Queen</b> .....	.10	.20
<b>Nankeen</b> .....	.10	.20
<b>CANDYTUFT</b>		
<b>Empress</b> —White.....	\$0.10	\$0.20
<b>Giant Hyac. fld.</b> —White extra.....	.10	.20
<b>Umbellata</b> —Carmine.....	.10	.20
<b>Umbellata</b> —Crimson.....	.10	.20
<b>Umbellata</b> —Lavender.....	.10	.20
<b>Umbellata</b> —Rose Cardinal.....	.10	.20
<b>CINERARIA</b>		
<b>Giant Prize</b> —Semi-Dwf., Extra.....	\$0.20	
<b>Clematis Panculata</b> .....	.10	
<b>DAISY</b>		
<b>Bellis Longfellow Rose</b> .....	\$0.10	\$0.50
<b>Bellis Snowball White</b> .....	.10	.50
<b>Bellis Double Mixed</b> .....	.10	.50
<b>Shasta</b> .....	.10	.50



Antirrhinum

Pkt. ¼ Oz.

## DIANTHUS

<b>Plumarius Single Mixed</b> .....	\$0.10	\$0.20
<b>Plumarius Double Mixed</b> .....	.10	.25

## GAILLARDIA

<b>Grandiflora Compacta</b> .....	\$0.10	\$0.25
<b>Grandiflora Oculata</b> —Extra..	.10	.25

## GYPSOPHILA

<b>Gr. Fl. Elegans White</b> .....	\$0.10	\$0.20
<b>Gr. Fl. Elegans Rose</b> .....	.10	.20
<b>Paniculata Single</b> .....	.10	.20

## HOLLYHOCK

<b>Chaters Double Crimson</b> .....	\$0.10	\$0.25
<b>Chaters Double Rose</b> .....	.10	.25
<b>Chaters Double White</b> .....	.10	.25
<b>Chaters Double Lt. Pink</b> .....	.10	.25
<b>Chaters Double Sulp. Yellow</b> ..	.10	.25
<b>Chaters Double Maroon</b> .....	.10	.25
<b>Chaters Double Mixed</b> .....	.10	.25

## LUPINUS

<b>Hartwegi</b> —Dark Blue.....	\$0.10
<b>Hartwegi</b> —White.....	.10
<b>Hartwegi</b> —Sky Blue.....	.10
<b>Hartwegi</b> —Roseus.....	.10
<b>Perennial Mixed</b> .....	.10

## PRIMULA

<b>Chinensis</b> —Single Fringed	
Mixed.....	\$0.25
<b>Obconica Grandiflora</b> .....	.10
<b>Malacoides</b> .....	.15
<b>Sweet William</b> —Pink Beauty	.10
Scarlet Beauty.....	.10
Holborn Glory.....	.10
Dark Crimson.....	.10
White.....	.10
Single Mixed.....	.05 .20
Double Mixed.....	.10 .25



## SEEDS FOR AUTUMN PLANTING



## ENDIVE

**GREEN CURLED**—Ornamental curled leaves of dark green color. Blanching white and crisp. This is the standard variety and most widely planted. **Price:** Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

**BROAD-LEAVED or ESCAROLLE**—Broad, thick ribs, with slightly wrinkled leaves. This is the best broad-leaved variety. **Price:** Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

## KALE

**DWARF GERMAN GREEN HOME GROWN (for Fall)**—Largely grown for supplying "greens" during the Fall, Winter and Spring. The plants are hardy; frost improves the quality. The leaves are very large, deeply curled and fringed, and of that desirable rich bright green color. **Price:** Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

## LETTUCE

**GRAND RAPIDS**—Especially adapted for early family use. A loose-headed Lettuce of pleasing appearance and remarkable table merit. **Price:** Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

**ST. L. S. CO.'S BLACK SEEDED FORCING**—The favorite of gardeners who grow for the St. Louis market, where there is always a big demand for this popular variety. **Price:** Pkt., 5c; Oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

**ST. L. S. CO.'S BIG BOSTON**—This grand variety has proved to be most valuable and is now being more extensively grown for market and private use than any lettuce. **Price:** Pkt., 5c; Oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

## SPINACH

**BLOOMSDALE, or SAVOY**—This is by far the most popular Spinach among the gardeners and is the best Spring and Fall Spinach ever offered. It quickly grows into a fine, large crop and a crop of this variety outweighs any other variety. **Price:** Pkt., 5c; Oz., 10c; ¼ lb., 20c; 1 lb., 50c; 10 lbs., \$3.25.

**ROUND THICK LEAF**—Leaves round and almost smooth. Produces large, round, thick, dark green leaves. **Price:** Pkt., 5c; Oz., 10c; ¼ lb., 20c; 1 lb., 50c; 10 lbs., \$3.00.

## RADISH

**EARLY SCARLET TURNIP WHITE TIP**—A very handsome and attractive Radish of a rich, carmine scarlet color and tipped white. It is invaluable for forcing or for open in ground. **Pkt., 5c; Oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., \$3.25.**

## LAMBERT'S PURE CULTURE SPAWN

We always have a fine, fresh supply of "Pure Culture" Spawn on hand and you can depend on getting the kind of spawn that will produce large mushrooms. And our many growers can expect their usual supply of Spawn of the highest quality.

This Spawn comes in bricks weighing about 18 to 20 ounces. A brick is sufficient to spawn ten square feet of bed. Be sure to mention the cultural leaflet when you order your spawn. **Price: Per brick, 25c; 5 bricks, \$1.00.** If wanted by parcel post add 5 cents a brick for postage.

**Mushroom Culture Leaflet mailed free. Ask for it when you order your Spawn.**

**EARLY SCARLET GLOBE**—The interior of the root is pure white, mild, crisp and fine grained. **Price:** Pkt., 5c; Oz., 15c; ¼ lb., 30c; 1 lb., \$1.00.

## WINTER VARIETIES

**ROUND BLACK SPANISH**—The roots are round, sometimes slightly top shaped, three or four inches in diameter. The skin is almost black. **Price:** Pkt., 5c; Oz., 10c; ¼ lb., 25c; lb., 75c.

**LONG BLACK SPANISH**—One of the best for winter use. **Price:** Pkt., 5c; Oz., 10c; ¼ lb., 25c; lb., 65c.

**WHITE SPANISH**—Very solid and tender. The best white Radish for late Fall planting; largely used by our market gardeners. **Price:** Pkt., 5c; Oz., 10c; ¼ lb., 25c; lb., 65c.

**ROSE COLORED CHINA**—Root long, of a fine scarlet color. Extremely solid and a most excellent keeping variety. **Price:** Pkt., 5c; Oz., 10c; ¼ lb., 35c; lb., \$1.00.

## TURNIP

One ounce will sow 200 feet of drill, one to two pounds for an acre.

**PURPLE TOP WHITE GLOBE**—This excellent table variety is globular in shape, of good size and very attractive appearance. The roots are large, purple or dark red above ground, white below. **Price:** Pkt., 5c; Oz., 10c; ¼ lb., 25c; 1 lb., 65c; 5 lbs., \$2.50.

**PURPLE TOP FLAT STRAP LEAF**—A very early strap leaved variety, very extensively used for the table. The leaves are few, entire, upright in growth.

## ASPARAGUS ROOTS

(Ready October 15th)

**Culture**—The demand for Asparagus as an early Spring vegetable is becoming quite popular. An Asparagus bed intended for family use can be quickly established by the planting of roots, which should be set out in the spring in rich soil. Dig a trench about 2 feet deep and 1½ feet wide, and fill in to about one foot from the surface with well-rotted manure. On this put about six inches of good garden soil and lay the roots 18 inches apart, then fill up, leaving the crown about 4 inches below the surface. Asparagus should not be cut until the second year.

## Extra-choice Two-year Roots

	Doz.	50	100
Columbian Mammoth	\$0.25	\$0.95	\$1.75
Palmetto	.25	.95	1.75

(By Parcel Post, add 5c Doz. Postage)



## ST. LOUIS SEED CO. HAVALAWN GRASS SEED

ESPECIALLY ADAPTED TO THIS LOCALITY AND WILL INSURE A FINE VELVETY LAWN  
IS PROCURABLE ONLY FROM US. EVERY PACKAGE BEARS OUR GREEN LABEL  
**HAVALAWN MIXTURE**

Mixed of Selected Grasses. Free from weeds. Highest Percentage of Germination

To insure a perfect lawn, there are several requisites: a good depth of rich soil, properly drained, a liberal dressing of good fertilizer; a firm, smooth surface upon which to sow the seed and Havalawn Grass Seed. The latter item is of the greatest importance.

Havalawn is a mixture of the hardest grasses that enter into any grass seed mixture. Havalawn insures a steady succession of growth—there will be no break in the richness of the verdure from Spring until Winter.

Its success has best proved its quality. Havalawn is the one perfect lawn seed. Havalawn provides that velvety, smooth green lawn that wins the admiration of all who see it, for it is mixed from the seeds that produce the best lawns.

Every package of Havalawn bears our green label. There is none genuine without it. Havalawn can only be secured from us. Price: Lb., 50c; 3 lbs., \$1.45; 10 lbs., \$4.50.

### FANCY KENTUCKY BLUEGRASS

This famous grass is well-known in all sections. It generally grows well on any stiff or loamy soil, fertile and well drained in Central and Northern States. Kentucky Blue Grass is at its best in the Spring and Fall months, but being rather sensitive to heat, does not grow luxuriantly during Summer. It takes a considerable time to get a good stand of this, as it grows very slowly at the start, but, when once established, forms a close, compact turf, making a fine lawn. Price: Lb., 45c; 3 lbs., \$1.45; 10 lbs., \$4.00.

### ENGLISH RYE GRASS

It grows rapidly and makes a good showing within month from time of sowing.

Valuable for planting early on dry hill-side. Price: Lb., 20c; 3 lbs., 55c; 10 lbs., \$1.75.

### WHITE OR DUTCH CLOVER

A low, close-growing Clover; round, white heads, very fragrant. Very desirable for beautifying the lawn. It will stand close cutting and very rapidly throws up an abundance of leaves and blossoms. It is usually better to sow with other grasses. Does well on most any soil. Price: Lb., 75c; 3 lbs., \$2.10.

### CANADIAN BLUE GRASS

Resembles somewhat the Kentucky Blue Grass, but is not of so good quality. It is grown very extensively in Canada and some parts of the United States. Price: Lb., 35c; 3 lbs., \$1.00; 10 lbs., \$3.25.

## SEASONABLE FARM SEED

Prices f. o. b. Boat or Railroad, and are subject to market changes

**ALFALFA CLOVER (Fancy)—The King of Forage Plants**—Alfalfa is the cornerstone upon which is being built the prosperity of wide areas of our agricultural country—with its never-failing three and four crops of from five to six tons per acre. Price: Lb., 30c; 5 lbs., \$1.40; 25 lbs., \$5.50; 60 lbs., \$12.00; 100 lbs., \$19.00.

**ALSIKE CLOVER**—This is one of the hardest varieties known. It is perennial and does not winterkill. It will do better on moist land than any other variety of Clover, and is suitable for either hay or pasture. Price: Lb., 30c; 5 lbs., \$1.40; 60 lbs., \$13.40; 100 lbs., \$21.00.

**RED CLOVER**—This is regarded as the most valuable of the Clover family. It makes two crops each year. The first is usually cut when it is in blossom for hay; the last crop may be harvested for seed. Our strictly "Fancy Recleaned" grade cannot be surpassed by anyone. Price: Lb., 30c; 5 lbs., \$1.40; 60 lbs., \$13.40; 100 lbs., \$21.00.

### CHOICE RYE

Our seed is a fine, clean, heavy yielding strain. Price: Bu., \$1.40.

### SEED OATS

**TEXAS RUSTPROOF**—The ideal Rust Proof variety, grown extensively throughout the South, an immense yielder, a sure cropper. Price: Bu., 80c; 10 bu., 75c per bu.

**WINTER TURF OATS**—Sow in October or early November, make a good growth before Winter sets in, and can be relied upon to furnish the finest of green pasture all Winter through and a good crop of grain the next Spring. Price: Bu., \$1.25.

**RED TOP**—A very hardy perennial grass, succeeding best on moist land. It accommodates itself to a variety of soils, however, even to quite dry situations,

and stands our hot climate admirably. Fancy or solid seed. Price: Lb., 35c; 5 lbs., \$1.50; 25 lbs., \$6.25; 100 lbs., \$24.00.

**TIMOTHY**—(45 lbs. per bu.)—The best of all grasses for hay. It should be cut when in blossom, in June or July. It is preferable to sow in the Fall, but we sell almost as much seed in the early Spring, and it is frequently sown then with equal success. Price: Lb., 20c; 5 lbs., 75c; 100 lbs., \$7.00.

**ORCHARD GRASS (Rough Cock's Foot)**—A rather coarse perennial grass that forms dense tufts. Flourishes best in the shade. Price: Lb., 30c; 5 lbs., \$1.40; 25 lbs., \$5.00; 100 lbs., \$19.00.

### ST. L. S. CO. SEED WHEAT

There is no more important or profitable crop to the farmer than winter wheat, and the farmers and wheat growers should give more careful attention to varieties and quality of seed they sow.

**RED MAY**—A good variety for this country. It is about a week earlier than the standard varieties. It is a heavy yielder, and has a golden yellow color. Some fields of this variety averaged 34 bushels to the acre last season. Price: Bu., \$1.75; 5 bu., \$1.70 per bu.

**FULTZ'S**—This is the best Blue Stem Wheat of which we have knowledge. It has given an average yield for the last 13 years, through favorable and unfavorable seasons, of 36 bushels an acre. As the wheat ripens, the stem and straw assume a beautiful golden-yellow hue, and entirely free from rust. Price: Bu., \$1.75; 5 bu., \$1.70 per bu.

**FULCASTER**—It is a bearded variety; the kernels are red with a very thin husk, are hard and flinty and very rich in gluten. It is stiff-strawed and will stand up in wind and rain which would lodge other varieties very badly. Price: Bu., \$2.00; 5 bu., \$1.90 per bu.



## FERTILIZERS

**BONE MEAL**—For top dressing for lawns, pastures and meadows; also for use in the vineyard and about fruit trees and bushes. It carries ammonia and phosphoric acid. Use 400 to 600 lbs. per acre. **Price:** 10 lbs., 65c; 25 lbs., \$1.50; 50 lbs., \$2.50; 125 lbs., \$5.00.

**PULVERIZED SHEEP MANURE**—As a top dressing for lawns there is nothing better. Promotes a steady and rapid growth in the vegetable garden. For garden and field crops. 1 to 2 tons per acre—Fall or early Spring. **Price:** 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.69; 100 lbs., \$2.75.

**PULVERIZED POULTRY MANURE**—One of the best pulverized fertilizers for lawns, flowers and vegetables. For vegetables, gardens, etc., 50 pounds to 500 square feet. **Price:** 25-lb. bags, \$1.25; 50-lb. bags, \$2.00; 100-lb. bags, \$3.50.

**NITRATE OF SODA**—Carries nothing but nitrogen (ammonia)—no phosphoric acid or potash. It is highly stimulating. On grass or other vegetation it is visible in a few days after application. **Price:** Lb., 15c; 10 lbs., \$1.25; 50 lbs., \$4.00.

**HYDRATED LIME**—Hydrated lime used for top dressing on lawns and mixing soil for potting plants. 50 lbs. to cover 1,000 square feet. **Price:** 10 lbs., 35c; 50 lb. bag, 90c.

**ST. L. S. CO.'S EXCELSIOR PLANT FOOD**—It will make weak plants strong and make healthy plants have brighter flowers and prolong the period of blooming. **Price:** Small size, 20c; large size, 35c.

**PULVERIZED LIMESTONE**—As a crop-producer, we hardly believe it has an equal. It is made from the purest crystalline white limestone obtainable. **Bag of 100 lbs., \$1.50; ½ ton, \$12.00.**

## INSECTICIDES AND FUNGICIDES

**APHIS PUNK (40 Per Cent Strength, for Fumigating)**—Specially prepared for Greenhouses and Conservatories. It vaporizes the nicotine economically and evenly. Nothing keeps a house free from Aphis, Thrip and other parasites so thoroughly and cheaply. **Price:** Box of 12 rolls, \$1.00; 1 case, 12 boxes, \$10.00.

**BORDEAUX MIXTURE POWDER (Fungi-Bordo)**—For blight, mildew, rust and fungus diseases. For ordinary use it takes 6 lbs. to 50 gallons of water. **Price:** 1 lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.75; 25 lbs., \$6.50.

**FISH OIL SOAP**—Used as a wash during the summer to prevent spread of scale. Destroys sucking insects and plant lice. **Price:** ¼ lb., 10c; ½ lb., 20c; 1 lb., 35c.

**FLOWERS OF SULPHUR**—Used to check mildew and fungus diseases. **Price:** 1 lb., 15c; 10 lbs., \$1.25; 25 lbs., \$2.50.

**LIME SULPHUR POWDER**—Used as a dormant spray against scale insects. Has certain fungicidal properties. Use 10 to 12 lbs. to 50 gallons of water. **Price:** 1 lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.00; 25 lbs., \$4.50.

**NIKOTEEEN (30%)**—An economical and powerful nicotine extract. Death to Aphis or Green Fly, Spider, Mealy Bug, Thrip and many other forms of flower, fruit and vegetable lice. **Price:** Small bottles, 30c and 50c; ½ lb., \$1.25; 1 lb., \$2.25; 4 lbs., \$7.25; (40% strength), 4 lbs., \$8.00; 8 lbs., \$15.50.

**SCALECIDE**—A dormant spray for scale. Mix 1 part Scalecide to 15 parts water. **Price:** 1 qt., 60c; 1 gal., \$1.45; 5 gals., \$5.30; 10 gals., \$9.85; 50 gals., \$39.50.

**TOBACCO DUST**—For aphis. **Price:** 100 lbs., \$4.00.

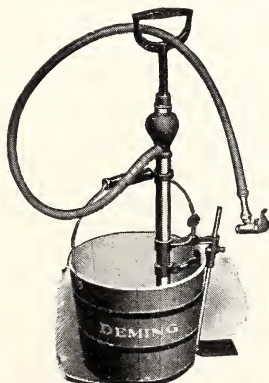
**TREE PAINT (Pine Tar)**—For painting on wounds after pruning. **Price:** 1 pt., 30c; 1 qt., 50c; 1 gal., \$1.75.

## PERFECTION SPRAYERS

**A COMPRESSED AIR SPRAYER** that is riveted. An extra strong sprayer. The automatic shut-off nozzle is built for high pressure work. Four gal. capacity. **Price:** Galvanized, \$6.50; Brass, \$9.50.

**JUNIOR PERFECTION**—A small compressed air sprayer of the "Perfection" type. The capacity is 2½ gallons. **Price:** \$4.75; postpaid, \$5.00.

**BROWN'S AUTO SPRAY** consists of a solution tank, holding about 4 gallons. The tank is made of galvanized steel or heavy brass. Two pumpings will discharge the contents. **Price:** No. 1-D, Galvanized, \$6.50; No. 1-B, Brass, \$9.50. Shipping weight, 11 lbs. By Mail, add Postage.



Perfect Success

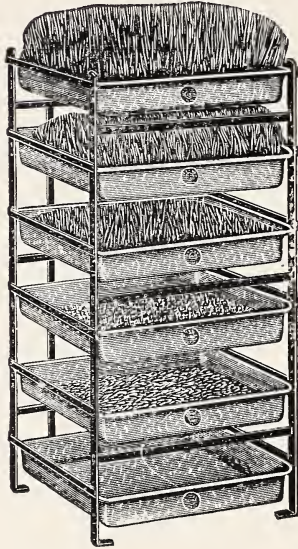
## DEMING'S PERFECT SUCCESS

Has brass ball air chamber to cushion the stream, giving it uniform pressure. Can be fastened to bucket and entire outfit carried from place to place. Comes with 4 feet ¾ inch discharge hose and Bordeaux nozzle. Shipping weight, 12 lbs. **Price \$7.00; by mail, add postage.**



# FALL AND WINTER NECESSITIES FOR THE POULTRY YARD

## Moe's Oat Sprouter



Made entirely of metal. Strong and rigid.

Provides the very necessary green feed at all seasons. Healthy chickens and more eggs.

The frame is of steel, well braced and neatly painted. Has six heavy galvanized iron pans. Five of the pans have perforated bottoms to secure the proper drainage, and the bottom pan is solid to hold the drippings. Pans are interchangeable. Sectional frame can be quickly taken apart and stored in a small space.

Total height of frame, 3 ft. Size of pans, 16 in. by 18 in.

Packed knocked down, 1 in a crate. Shipping weight, 30 lbs. Cannot be mailed.

No. 110 Moe's Oat Spouter.....Each, \$6.00

## THE COLLINS SPROUTER

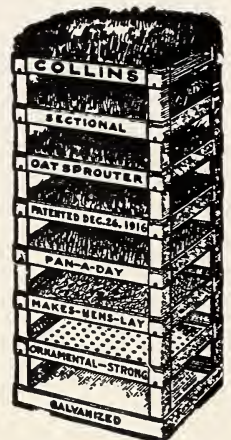
Green feed is as necessary as grain for winter eggs. Sprouted oats makes the lowest priced, highest grade succulent feed obtainable. One cannot expect an abundant supply of winter eggs without feeding green feed.

Collins Oat Sprouters are made of galvanized steel and will last a life time. The pans fit one into the other and do not take up much room. No foul smelling coal oil lamp necessary; simply place the sprouter in a warm room and water the oats.

Made in three sizes.

5 pans 11x15.....	\$3.00	Shipping weight, 9 lbs.
8 pans 11x15.....	4.00	Shipping weight, 14 lbs.
8 pans 11x32.....	8.00	Shipping weight, 28 lbs.

By mail, add postage.



Collins Oats  
Sprouter

## Disinfects and Paints at the Same Time, Saving Labor, Money and Time

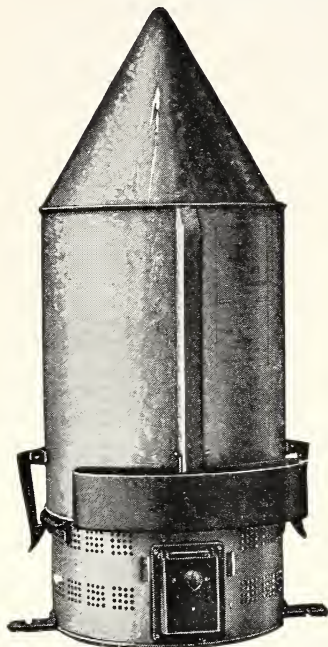


A white paint in powder form combined with a disinfectant many times stronger than Carbolic acid. Carbola is non-poisonous and non-caustic. It is applied with a brush or sprayer

and dries pure white. Does not flake or peel off. Carbola kills both germs and vermin. Clean up your poultry house this fall and paint the walls, roosts and nest boxes with Carbola. Price: Trial Pkg., 25 oz., 30c; 10 lbs., \$1.25; 50 lbs., \$5.00. By mail, add postage. One pound of Carbola makes 1 gallon disinfecting whitewash and will cover 200 square feet.



## THE NORWICH AUTOMATIC AIR-LOCK FOUNTAIN



**Air-Lock Fountain**

An absolutely perfect fountain for summer or winter. It is impossible for the fowls to contaminate the water. Vacuum fed, no water can get back into the reservoir after it reaches the drinking cup.

Fitted with heater base these fountains have been used in temperatures 60 degrees below zero without freezing. One filling of base lasts full week without further attention.

Since the egg is 74 per cent water you can readily see that water during the winter is absolutely necessary for your birds at all times. Don't carry water forty times a day and get disgusted with your chickens. Use the Automatic air-lock fountain and get the pleasure and profit out of your poultry.

Made in one size only, 5 gallon capacity, shipping weight 17 lbs.

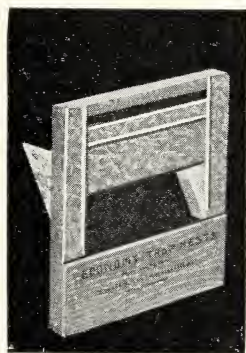
Complete with burner base.....\$6.00

Without burner base, 9 lbs..... 3.25

Base only, 8 lbs..... 3.25

By mail, add postage.

## TRAP NEST FRONTS



With this front you can make the cheapest and most practical trap nest. Simply nail the front to a box. They will pay for themselves in stopping egg eaters and picking out the drones. We sell the traps only. Price: single trap (weight 3 lbs.) 50c; double trap (weight 5 lbs.) 95c; triple trap (cannot be mailed) \$1.35.

By mail, add Postage.

## DRY MASH HOPPERS

A Dry Mash Hopper of great merit, made of heavy galvanized iron. All parts accurately stamped with dies. The curved bottom keeps the feed within easy reach of the birds, and the taper shape of the hopper—larger at bottom—prevents the feed from clogging.

The wire grid and the wires running from the flange through the wire grid prevent the fowls from throwing out or wasting the feed.

The sloping top prevents them from roosting on the hopper.

When both covers are closed it is rat, mouse and weather proof.

Made in three sizes.

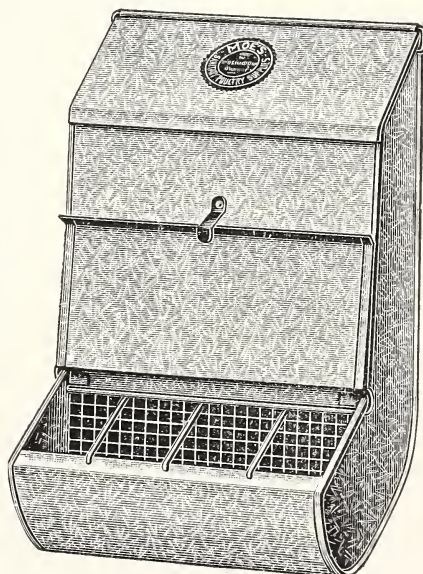
No.	Height	Width	Shipping Weight	Each
35	19 in.	8½ in.	5 lbs.	\$1.50
36	19 in.	12 in.	6 lbs.	2.00
13	19 in.	22 in.	9 lbs.	2.40
37	19 in.	24 in.	11 lbs.	2.80

We have everything for the Poultry Yard. Write for our large Poultry Catalog, which will be issued about October 15th.

## WALL FEED PANS



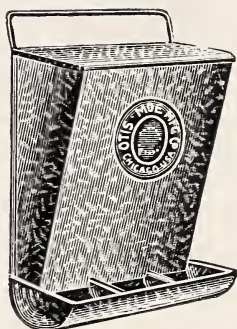
Hangs on two nails. Easy to clean. Saves waste. Always out of the way. Wet or dry feeds. 6-inch (weight 1 lb.), 20c; 12-inch, (weight 2 lbs.), 30c; 18-inch (weight, 3 lbs.), 40c



No. 36



## GRIT AND SHELL BOXES



No. 9

Grit &amp; Shell Box.

The feeding of grit, ground shells, and charcoal is now recognized as an essential part of the diet, to keep fowls in healthy, prime condition. There is no more economical method of supplying grit, etc., than with these practical, inexpensive compartment boxes. No solder used in their construction.

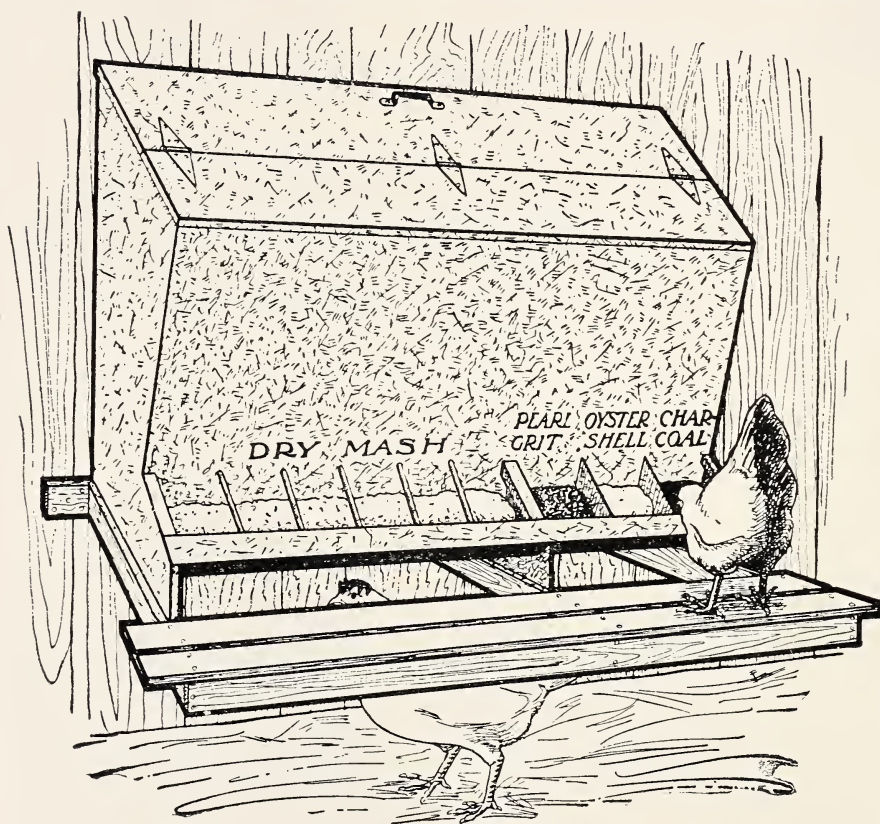
Can also be used as feed hoppers for little chicks.

Made of heavy galvanized iron in three sizes. The No. 45 for baby chicks has a square bottom, the other sizes have round bottoms.

No.	Compartments	Shipping Weight	Each
45	Two	2 lbs.	.40
9	Three	3 lbs.	.90
90	Four	4 lbs.	1.25

By Mail, add Postage.

## UP-TO-DATE MASH AND MINERAL FEEDER



The greatest labor-saving and extra-sanitary device on the market. There has been a demand for an article of this kind, and as our firm is always up to date, we have perfected the All in One. It is a storage for feed and grit. Is made entirely of galvanized steel. The dry mash hoppers hold 100 lbs. and 300 lbs. — pearl grit, 60 lbs.; oyster shell, 60 lbs., and charcoal, 30 lbs. Just think of filling this machine about once per month for a large flock of chickens, and then think of how you used to fill your hoppers every day. One man can take care of at least fifteen times more poultry than under the old way, if you use the small mash hoppers and grit boxes. And if you buy your feed in one hundred lots, it is necessary

to have extra storage, or leave it in the sacks, and the results are that the rats and mice bore holes in the sacks, and you have an unwholesome food, beside a great loss of feed. Great poultry ranchers have pronounced them the greatest invention of today. This hopper has been tried out in State Egg Laying Contests. The chickens cannot waste one speck of food or grit. We furnish the entire platform and hangers so that you can hang it to the wall, at least 18 inches up from the floor. This allows the chickens all the floor space, besides giving the chickens the extra necessary exercise by jumping upon the platform. Made in two sizes with hinged cover.

	Long	Wide	High	Platform	Weight Crated	Dry Mash	Pearl Grit	Oyster Shell	Charcoal	Price
No. 22-01	45"	16"	30"	8"	65 lb.	100 lb.	60 lb.	60 lb.	30 lb.	\$14.50
No. 22-02	95"	16"	30"	8"	100 lb.	300 lb.	60 lb.	60 lb.	30 lb.	23.50

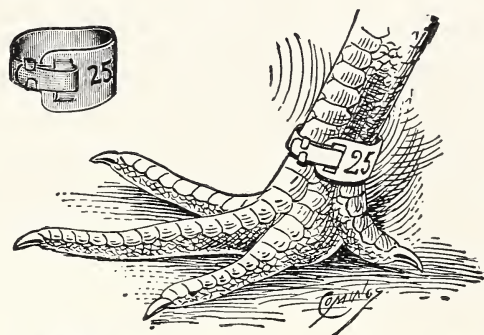


## LEG BANDS

Improved Champion Adjustable  
Leg Bands

The most popular band on the market. Made in one size adjustable to fit any fowl. Held by double lock. Made of Aluminum.

25 for 25c; 50 for 45c; 100 for 75c, postpaid.



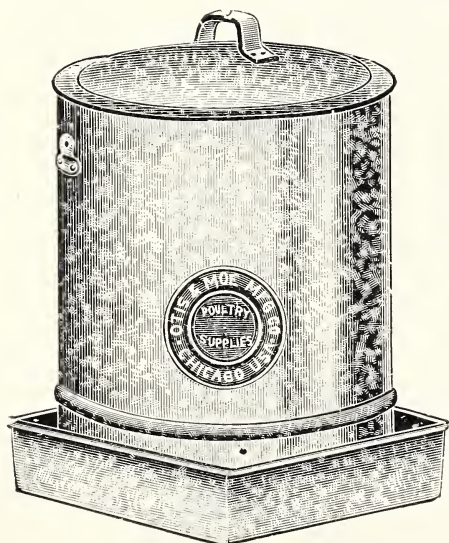
Champion Leg Band

If numbers are desired in rotation, 25 or more bands must be ordered.

**Spirol Leg Bands**—Mark your hens and pullets differently. Know what you are doing. Spirol bands are made of seasoned celluloid. Last a life time. Slip on like a key ring. Birds cannot lose them. Light as a feather. Will not fade. Colors: black, white, dark blue, pink, light blue, red, green, yellow, purple.

	12	25	50	100
Baby Chicks.....	\$0.10	\$0.20	\$0.35	\$0.60
Pigeons .....	.10	.20	.40	.65
Mediterranean .....	.15	.25	.40	.75
American .....	.15	.25	.45	.85
Asiatics .....	.20	.35	.65	1.20
Geese, Turkeys.....	.25	.40	.70	1.35

## TOP FILL FOUNTAIN



## PERFECTO EGG BOX

The strongest paper box made. While they are low priced, they are durable and can be shipped many times.

1 doz. eggs—Shipping weight 2 lbs.....	\$0.30
2 doz. eggs—Shipping weight 2 lbs.....	.40
3 doz. eggs—Shipping weight 3 lbs.....	.50
4 doz. eggs—Shipping weight 3 lbs.....	.65
6 doz. eggs—Shipping weight 4 lbs.....	.80

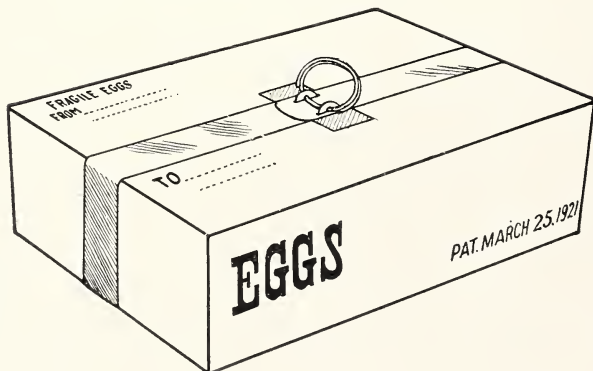
By mail, add postage.

Fill in the morning and your chickens have an all day's supply of pure water at just the right temperature.

The double wall keeps water cool in summer and retards freezing in winter. No valves to get out of order. Thoroughly sanitary and as easily cleaned as an ordinary pail. Does away with slopping over when being filled. Can be hung out of the litter and the square pan prevents spilling at that time. The square pan also affords drinking facilities for two pens at the same time. Fills from the top.

No. 1. 1-gallon capacity, shipping weight, 4 lbs. each.....	\$1.75
No. 2. 2-gallon capacity, shipping weight, 7 lbs. each.....	2.40
No. 4. 4-gallon capacity, shipping weight, 9 lbs. each.....	3.25

By mail, add postage.







A SMOOTH LAWN AND FLOWERS WILL ADD MUCH BEAUTY TO YOUR HOME

## HAVALAWN GRASS SEED

Especially Adapted to This Locality and Will Insure A  
Fine Velvety Lawn

1 lb., 50c; 3 lbs., \$1.45; 10 lbs., \$4.50; 50 lbs, \$21.00

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## ST. LOUIS SEED COMPANY

*The Home of "Pure and Sure" Seeds*

411-413 WASHINGTON AVENUE

ST. LOUIS, MO.